

Claims

What is claimed is:

1. A portable computer handle for detachably receiving a hand-held
5 computer, the computer capable of performing at least one function, said portable
computer handle comprising:

a substantially planar computer-mounting portion for detachably receiving the
hand-held computer;

an elongate handle operably secured to said computer-mounting portion, said
10 elongate handle extending substantially orthogonally from said substantially planar
computer-mounting portion; and,

a trigger operably secured to said elongate handle in electrical communication
with the portable computer such that depressing the trigger actuates the at least one
function on the hand-held computer.

15 2. The portable computer handle for detachably receiving a hand-held
computer of claim 1, wherein said elongate handle is a joystick-type handle.

3. The portable computer handle for detachably receiving a hand-held
20 computer of claim 2, wherein said joystick-type handle includes a handle grip portion.

4. The portable computer handle for detachably receiving a hand-held
computer of claim 1, wherein said hand-held computer is operably secured to a data
reader, and said at least one function includes operating the data reader.

25 5. The portable computer handle for detachably receiving a hand-held
computer of claim 4, wherein the data reader is a bar code scanner.

6. The portable computer handle for detachably receiving a hand-held
30 computer of claim 4, wherein the data reader is a radio frequency identification tag
reader.

7. The portable computer handle for detachably receiving a hand-held computer of claim 1, wherein said hand-held computer is a personal digital assistant.

8. The portable computer handle for detachably receiving a hand-held computer of claim 7, wherein said personal digital assistant is a commercially available, off-the-shelf product.

9. The portable computer handle for detachably receiving a hand-held computer of claim 1, wherein said elongate handle is positioned below said hand-held computer and aligned substantially with the center of gravity of the combined portable computer handle and hand-held computer.

10. The portable computer handle for detachably receiving a hand-held computer of claim 1, wherein the position of said elongate handle with respect to said substantially planar mounting portion is adjustable in at least one direction.

11. The portable computer handle for detachably receiving a hand-held computer of claim 10, where said at least one direction is toward and away from a front side of said substantially planar mounting portion.

12. The portable computer handle for detachably receiving a hand-held computer of claim 1, wherein the position of said elongate handle with respect to said substantially planar mounting portion is adjustable in at least two different directions.

13. The portable computer handle for detachably receiving a hand-held computer of claim 12, wherein said at least two different directions include toward and away from a front side of said substantially planar mounting portion, and toward and away from a right side of said substantially planar mounting portion.

14. The portable computer handle for detachably receiving a hand-held computer of claim 1, wherein said elongate handle is rotatably secured to said substantially planar portion.

15. The portable computer handle for detachably receiving a hand-held computer of claim 1, wherein said elongate handle is operably secured to said substantially planar portion such that the angle of said elongate handle with respect to said substantially planar portion is adjustable.

16. The portable computer handle for detachably receiving a hand-held computer of claim 15, wherein a ball and socket joint operably secures said elongate handle to said substantially planar portion.

17. The portable computer handle of claim 1, further including at least auxiliary connectivity port operably secured to said portable computer handle and in electrical communication with the hand-held computer.

18. The portable computer handle of claim 17, wherein said auxiliary connectivity port is an electrical jack for operably engaging an external power source to power the hand-held computer

19. The portable computer handle of claim 17, wherein said auxiliary connectivity port is a communications port for operably connecting an external computer system to the hand-held computer.

20. The portable computer handle of claim 1, further including an internal battery received with said portable computer handle, said internal battery in electrical communication with said hand-held computer to provide auxiliary power to said hand-held computer.

21. A portable computer handle for detachably receiving a hand-held computer, the computer capable of performing at least one function, said portable computer handle comprising:

a base for detachably receiving the hand-held computer;

an elongate handle having a base mounting portion and a handle grip portion, said base mounting portion operably secured to said base and said handle grip portion infinitely adjustable in at least one direction with respect to said base; and,

5 a trigger operably secured to said handle grip portion and in electrical communication with the hand-held computer such that depressing the trigger actuates the at least one function on the hand-held computer.

22. The portable computer handle for detachably receiving a hand-held computer of claim 21, wherein said hand-held computer is operably secured to a data reader, and said at least one function includes operating the data reader.

23. The portable computer handle for detachably receiving a hand-held computer of claim 22, wherein the data reader is a bar code scanner.

15 24. The portable computer handle for detachably receiving a hand-held computer of claim 22, wherein the data reader is a radio frequency identification tag reader.

20 25. The portable computer handle for detachably receiving a hand-held computer of claim 21, where said at least one direction is toward and away from a front side of said base.

25 26. The portable computer handle for detachably receiving a hand-held computer of claim 21, wherein the position of said handle grip portion with respect to said base is adjustable in at least two different directions.

27. The portable computer handle for detachably receiving a hand-held computer of claim 26, wherein said at least two different directions include toward and way from a front side of said base, and toward and away from a right side of said base.

30 28. The portable computer handle for detachably receiving a hand-held computer of claim 21, wherein said handle grip is rotatably secured to said base mounting portion.

29. The portable computer handle for detachably receiving a hand-held computer of claim 21, wherein said handle grip portion is operably secured to base mounting portion such that the angle of said elongate handle grip portion with respect to said base mounting portion is adjustable.

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30. The portable computer handle for detachably receiving a hand-held computer of claim 29, wherein a ball and socket joint operably secures said handle grip portion to said base mounting portion.